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THE STUDY OF THE TREATMENT AND CLINICAL
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*Second Japan Conference on
Radioisotopes, Feb 1958*

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4% Na₂O, and 1% R₂O₃ was subjected to heat treatment
and the volume changes were recorded. Results showed
that the change in volume of glass was based on transi-
tions from one energy level to another in the glass
structure by the addition of sufficient activation energy,
e.g., an increase of thermic motion.

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Conditions of Intensive Mixing). 24p. (Foreign text in-
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DESCRIPTORS: *Carbon dioxide, *Absorption, Sodium
compounds, Hydroxides, Carbonates, Stirrers, Dif-
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omitted) 9 refs. [DSIR LLU] M 3217.
Order from OTS or SLA \$1.10

61-27633

Trans. of *Metalloved[enie i] Term[icheskaya]
Obrab[otka] Met[allov] (USSR) 1960, no. 9, p. 2-6.

DESCRIPTORS: *Heat resistant alloys, *Fracture
(Mechanics), Reaction kinetics, Creep, Metals, Me-
chanical properties, Alloys

The method of vacuum metallography showed that,
under conditions of creep, in nickel-chromium
base heat-resisting alloys microcracks appear within
30-50% of the service life of the specimen, along grain
boundaries located at right angles to the tensile
stresses. With increasing duration of creep testing.
(Metallurgy--Structural, TT, v. 6, no. 12) (over)

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The Effect of High-Temperature Plastic
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Study of the Structure of Metals by the Method of
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